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## NOTICE OF ALLOWANCE AND FEE(S) DUE

32864 7590 11/06/2008

FISH & RICHARDSON, P.C.  
PO BOX 1022  
MINNEAPOLIS, MN 55440-1022

EXAMINER

COUGHLIN, PETER D

ART UNIT

PAPER NUMBER

2129

DATE MAILED: 11/06/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/824,106	04/14/2004	Janaki P. Kumar	13906-171001 / 2004P00206	6151

TITLE OF INVENTION: RULE TEMPLATES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/06/2009

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.**

**THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.**

### HOW TO REPLY TO THIS NOTICE:

#### I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

# **PART B - FEE(S) TRANSMITTAL**

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
or Fax (571)-273-2885**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

32864 7590 11/06/2008

**FISH & RICHARDSON, P.C.**  
PO BOX 1022  
MINNEAPOLIS, MN 55440-1022

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## **Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/824,106	04/14/2004	Janaki P. Kumar	13906-171001 / 2004P00206	6151

TITLE OF INVENTION: RULE TEMPLATES

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nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/06/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
COUGHLAN, PETER D	2129	706-047000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 \_\_\_\_\_
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 \_\_\_\_\_
- 3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_

Date \_\_\_\_\_

Typed or printed name \_\_\_\_\_

Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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10/824,106	04/14/2004	Janaki P. Kumar	13906-171001 / 2004P00206	6151
32864	7590	11/06/2008	EXAMINER	
FISH & RICHARDSON, P.C. PO BOX 1022 MINNEAPOLIS, MN 55440-1022			COUGHLIN, PETER D	
			ART UNIT	PAPER NUMBER
			2129	
DATE MAILED: 11/06/2008				

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 193 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 193 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/824,106	KUMAR, JANAKI P.	
	<b>Examiner</b>	<b>Art Unit</b>	
	PETER COUGHLAN	2129	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/1/2008.
2. ☒ The allowed claim(s) is/are 1-9,13-16,18 and 20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.

**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date ____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date ____     | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other ____.   |

***Reasons for Allowance***

1. The following is an Examiner's Statement for reasons for allowance:

Claims 1-9, 13-16, 18 and 20 are considered allowable since when reading the claims in light of the specification, as per the MPEP §2111.01 or *Toro Co. v. White Consolidated Industries Inc.*, 199 F.3d 1295, 1301, 53 USPQ2d 1065, 1069 (Fed. Cir. 1999), none of the references of record alone or in combination disclose or suggest the combination of limitations specified in the independent claims including a computer-implemented method, comprising: displaying a graphical user interface (GUI) on a display device of a computer, the GUI including a representation of a condition of a user-defined rule to process textual information and a representation of an action of the user-defined rule to process textual information, wherein the condition includes an attribute name, an operator, and an attribute value and wherein the action includes an action name and an action value; receiving user input via the GUI, the user input indicating the user-defined rule is to be used to create a rule template; creating, in response to the received user input, a rule template having a condition that is based upon the condition of the user-defined rule and an action that is based upon the action of the user-defined rule, wherein the condition of the rule template includes the attribute name and the operator from the corresponding condition of the user-defined rule, wherein the condition of the rule template further includes an attribute-value placeholder that is associated with the attribute value from the corresponding condition of the user-defined rule, wherein the action of the rule template further

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includes the action name from the corresponding action of the user-defined rule, and wherein the action of the rule template further includes action value placeholder that is associated with the action value from the corresponding action of the user-defined rule; receiving a second user input that indicates a value to be used in place of the attribute- value placeholder and a value to be used in place of the action-value placeholder; creating, in response to the second user input, a second user-defined rule to process textual information, the second user-defined rule being based on the rule template and including the value to be used in place of the attribute-value placeholder and the value to be used in place of the action-value placeholder; storing the second user-defined rule in computer-readable medium on a storage device for later use in processing textual information, wherein the second user defined rule includes a condition that includes the attribute name of the condition of the rule template, the operator of the condition of the rule template, an attribute value corresponding to the value to be used in place of the attribute-value placeholder, and wherein the second user defined rule further includes an action that includes the action name of the action of the rule template and an action value corresponding to the value to be used in place of the action-value placeholder; using the second user-defined rule to process incoming textual information received from a customer system; and triggering the action of the second user-defined rule when the incoming textual information satisfies the condition of the second user-defined rule as specified in claims 1, 18 and 20.

2. The closest prior art (U. S. Patent 6057841, referred to as Thurlow) displaying a graphical user interface (GUI) on a display device of a computer, the GUI including a representation of a condition of a user defined rule to process textual information and a representation of an action of a user defined rule to process the textual information (**Thurlow**, Figure 6a; 'GUI' of applicant is equivalent to the screen shot (item 600) of Thurlow.), wherein the condition includes an attribute name, an operator, and an attribute value (**Thurlow**, C10:13-25; 'Condition' of applicant is equivalent to the Boolean expression for each natural language condition or exception clause is of the form : [property], [comparison of], and [value] of Thurlow. It follows that 'attribute name' of applicant is equivalent to 'property' of Thurlow. 'Operator' of applicant is equivalent to 'comparison of' of Thurlow. 'Attribute value' of applicant is equivalent to 'value' of Thurlow.) and wherein the action includes an action name and an action value (**Thurlow**, C10:26-34; 'Action' of applicant is equivalent to the machine readable format for each natural language action clause is of the form: [action], [parameter 1], [parameter 2], [parameter n]. It follows that 'Action name' of applicant is equivalent to 'action' of Thurlow. 'Action value' of applicant is equivalent to 'parameter 1' of Thurlow.), receiving user input via the GUI, (**Thurlow**, C10:26-34; 'Receiving user input' of applicant is equivalent to 'the user works through the process of selecting available conditions' of Thurlow.) receiving a second user input that indicates a value to be used in place of the attribute value placeholder and a value to be used in place of the action value place holder (**Thurlow**, C3:22-32; Thurlow indicates that multiple users are

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allowed to build and edit rules. Thus 'receiving a second user input that indicates a value to be used in place of the attribute value placeholder and a value to be used in place of the action value place holder' is equivalent to allowing users to editing a rule of Thurlow.), creating in response to the second user input, a second user defined rule to process textual information, the second user defined rule being based on the rule template and including the value to be used in place of the attribute value placeholder and the value to be used in place of the action value placeholder(**Thurlow**, C3:22-32; Thurlow indicates that multiple users are allowed to build and edit rules. Thus 'creating in response to the second user input, a second user defined rule to process textual information' is equivalent to users editing a rule of Thurlow.), storing the second user defined rule in a computer readable medium on a storage device for later use in processing textual information(**Thurlow**, C2:19-46; 'Storing' of applicant is equivalent to 'the rule is then stored' of Thurlow.), wherein the second user defined rule includes a condition that includes the attribute name of the condition of the rule template, the operator of the condition of the rule template, an attribute value corresponding to the value to be used in place of the attribute value placeholder(**Thurlow**, C10:13-25, C10:64 through C11:25; 'Condition' of applicant is equivalent to the Boolean expression for each natural language condition or exception clause is of the form : [property], [comparison of], and [value] of Thurlow. It follows that 'attribute name' of applicant is equivalent to 'property' of Thurlow. 'Operator' of applicant is equivalent to 'comparison of' of Thurlow. 'Attribute value' of applicant is equivalent to 'value' of Thurlow.



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'Placeholders' of applicant is equivalent to 'variables' of Thurlow. The variables of Thurlow are indicted by the underlined portions.), and wherein the second user defined rule further includes an action that includes the action name of the action of the rule template and an action value corresponding to the value to be used in place of the action value placeholder (**Thurlow**, C10:26-34, C10:64 through C11:25; 'Action' of applicant is equivalent to the machine readable format for each natural language action clause is of the form: [action], [parameter 1], [parameter 2], ..., [parameter n]. It follows that 'Action name' of applicant is equivalent to 'action' of Thurlow. 'Action value' of applicant is equivalent to 'parameter 1' of Thurlow. . 'Placeholders' of applicant is equivalent to 'variables' of Thurlow. The variables of Thurlow are indicted by the underlined portions.), using the second user defined rule to process incoming textual information received from a customer system (**Thurlow**, C1:22-54; 'Textual information' of applicant is equivalent to 'e-mail' of Thurlow.), and triggering the action of the second user defined rule when the incoming textual information satisfies the condition of the second user defined rule. (**Thurlow**, C1:22-54; 'Triggering the action' of applicant is equivalent to 'automatically execute specific tasks' of Thurlow. 'Satisfies the condition' of applicant is equivalent to 'when user provided criteria are met' of Thurlow.)

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3. The references either by themselves or in combination fail to teach the user inputs indicating the user defined rule is to be used to create a rule template creating in response to the received user input, a rule template having a condition that is based upon the condition of the user defined rule and an action that is based upon the action of the user defined rule wherein the condition of the rule template includes the attribute name and the operator from the corresponding condition of the user defined rule wherein the condition of the rule template further includes an attribute value placeholder that is associated with the attribute value from the corresponding condition of the user defined rule wherein the action of the rule template further includes the action name from the corresponding action of the user defined rule wherein the action of the rule template further includes action value placeholder that is associated with the action value from the corresponding action of the user defined rule.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled 'Comments on the statement of reasons for allowance.'

4. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Peter Coughlan whose telephone number is (571) 272-5990, Monday through Friday from 7:15 a.m. to 3:45 p.m. or contact the Supervisor Mr. David Vincent at (571) 272-3080.

Application/Control Number: 10/824,106

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/P. C./

Examiner, Art Unit 2129

Peter Coughlan

10/24/2008

/David R Vincent/

Supervisory Patent Examiner, Art Unit 2129